

# Dryflex® 500551

Thermoplastic Elastomer

ELASTO

Message:

Due to their efficient processing, high performance and recyclability, Dryflex Thermoplastic Elastomers (TPEs) have made significant progress in proving themselves as a quality replacement for vulcanised rubber in window and door sealing applications.

Colour and co-extrusion possibilities have further enhanced the design possibilities for gaskets and seals made from TPE. New technologies such as Dryflex XP foamable TPEs and higher temperature resistant grades are providing materials which deal with design, performance and the environmental needs of the future.

We have supplied compounds for gaskets and weatherstrip extrusion for many years and are a trusted partner to the construction industry.

Today, we continue to develop technical material solutions to meet every application need. Some of the potential property spectrum and possibilities are shown below.

General Information			
Features	Ozone Resistant		
	Recyclable Material		
Uses	Gaskets		
	Glazing		
	Seals		
	Weatherstripping		
Appearance	Colors Available		
	Natural Color		
	Translucent		
	White		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 4.00 mm)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	6.00	MPa	
100% Strain	2.00	MPa	
300% Strain	3.00	MPa	
Tensile Elongation (Break)	600	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	19.0	kN/m	ASTM D624
Compression Set (23°C, 72 hr)	18	%	ASTM D395

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Recommended distributors for this material

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WECHAT